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McDERMOTT, WILL & EMERY**F A C S I M I L E****FROM:**

Sender: Lawrence T. Cullen Direct Phone: 202-756-8379
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 Client/Matter/Tkpr: 43890-401-4715 Date: September 16, 2002 Time Sent: _____
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TO:

Name: Examiner Leonard R. Leo Facsimile No. 703-308-7764
 Company: U.S. Patent and Trademark Office Contact No. 703-308-2611

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Docket No.: 43890-401

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :
 :
 Kaoru SATO, et al. :
 :
 Serial No.: 09/493,677 : Group Art Unit: 3743
 :
 Filed: January 28, 2000 : Examiner: Leonard R. Leo
 :
 For: HEAT SINK, METHOD OF MANUFACTURING THE SAME AND COOLING APPARATUS USING
 THE SAME

THE COMMISSIONER FOR PATENTS AND TRADEMARKS
 Washington, DC 20231

Dear Sir:

Transmitted herewith is an Amendment in the above identified application.

- No additional fee is required.
 Applicant is entitled to small entity status under 37 CFR 1.27
 Also attached:

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	26	22	4	\$18.00 =	\$72.00
Independent Claims	7	4	3	\$84.00 =	\$252.00
Multiple claims newly presented					\$0.00
Fee for extension of time					\$0.00
					\$0.00
Total of Above Calculations					\$324.00

- Please charge my Deposit Account No. 500417 in the amount of \$324.00. An additional copy of this transmittal sheet is submitted herewith.
- The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 500417, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

MCDERMOTT, WILL & EMERY



Lawrence T. Cullen
 Registration No. 44,489

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SUPPLEMENTAL AMENDMENT

Commissioner for Patents
Washington, DC 20231

Sir:

"Supplemental to an amendment filed on August 27, 2002, please amend the above application as follows:"

IN THE CLAIMS

Please amend claim 15 and add new claims 30-33 as follows:

15. (Four Times Amended) A cooling apparatus comprising:

a heatsink comprising:

a) a column having a heat receiving face, wherein a cross section of said column has a shape whose sectional width decreases as it extends away from said heat receiving face;
and